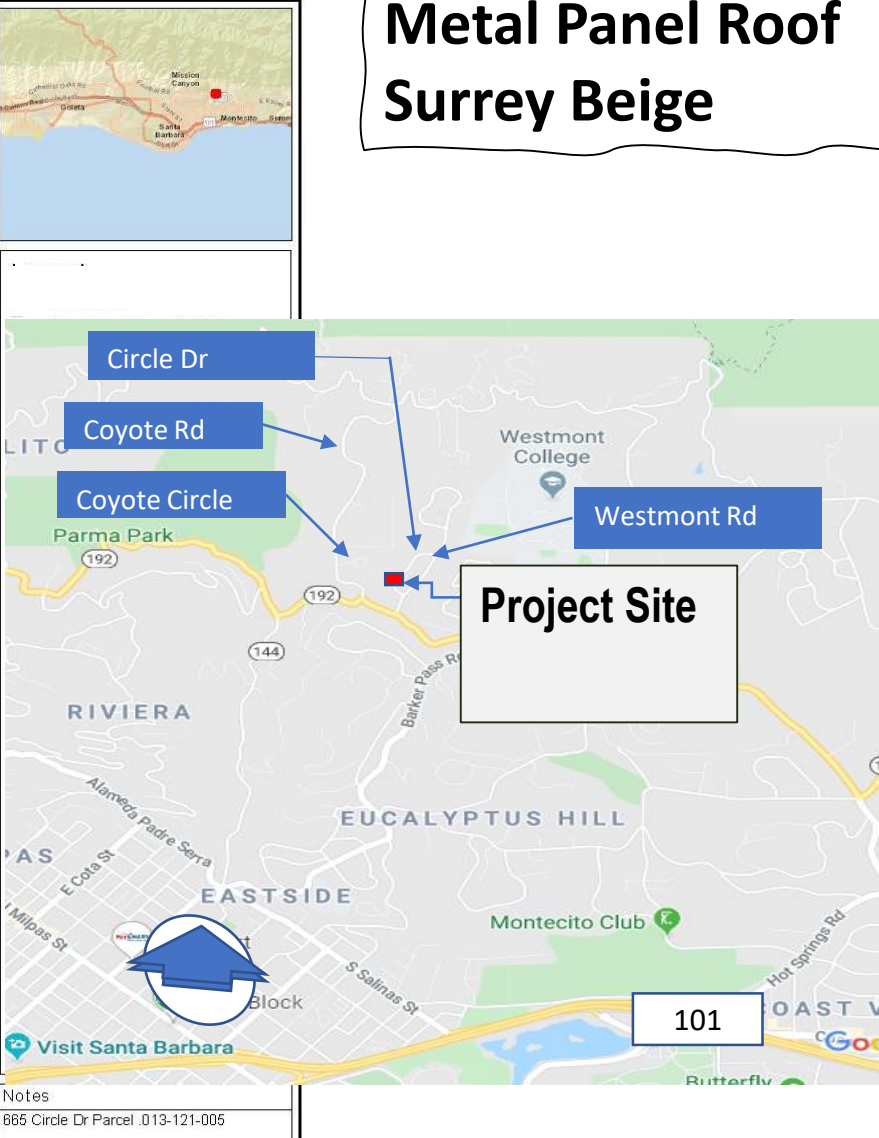
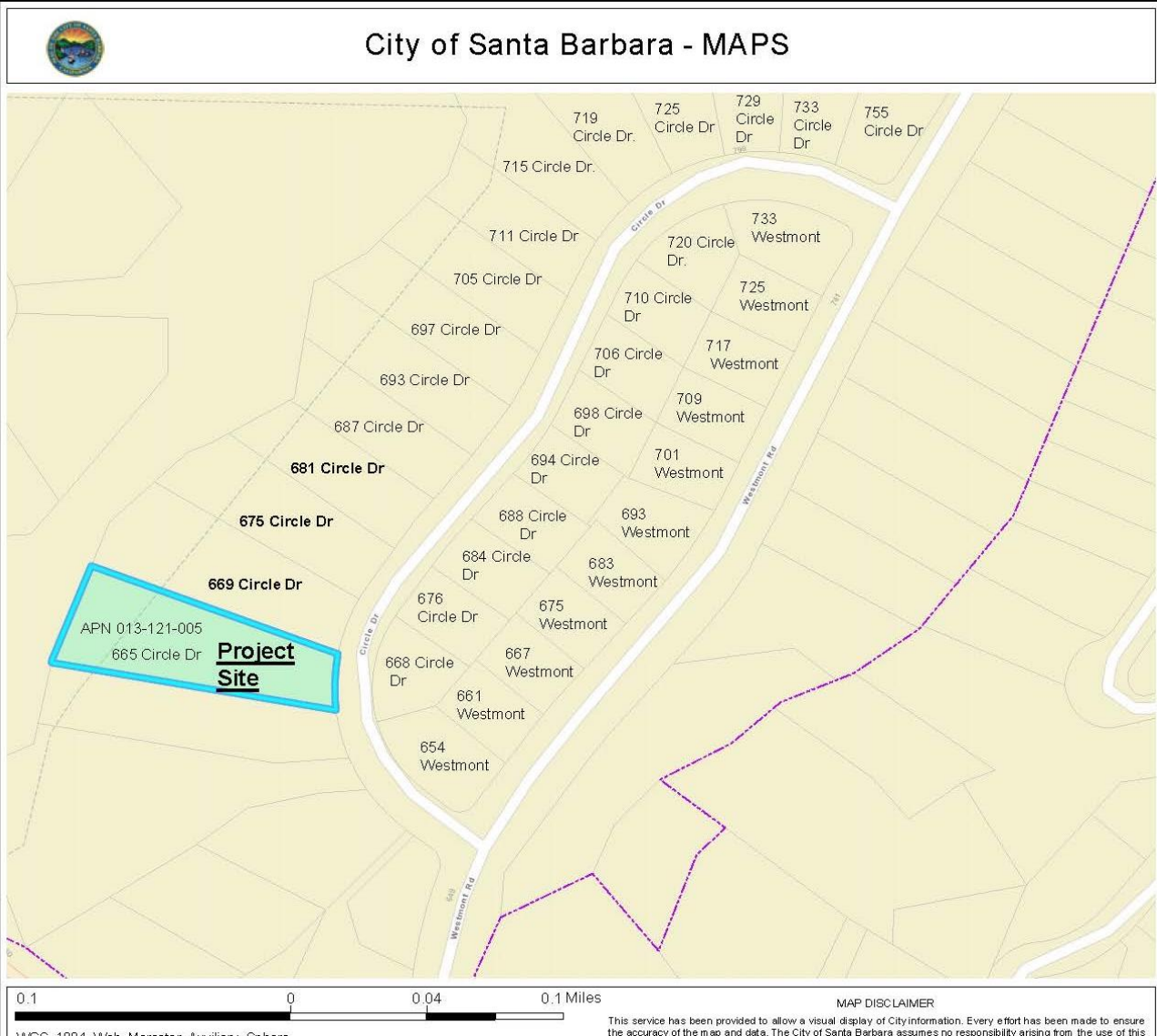


Vicinity Map

665 Circle Drive - Slager Residence

Submittal for
Standing Seam
Metal Panel Roof
Surrey Beige



Project site and surrounding Standing Seam Metal Roofs



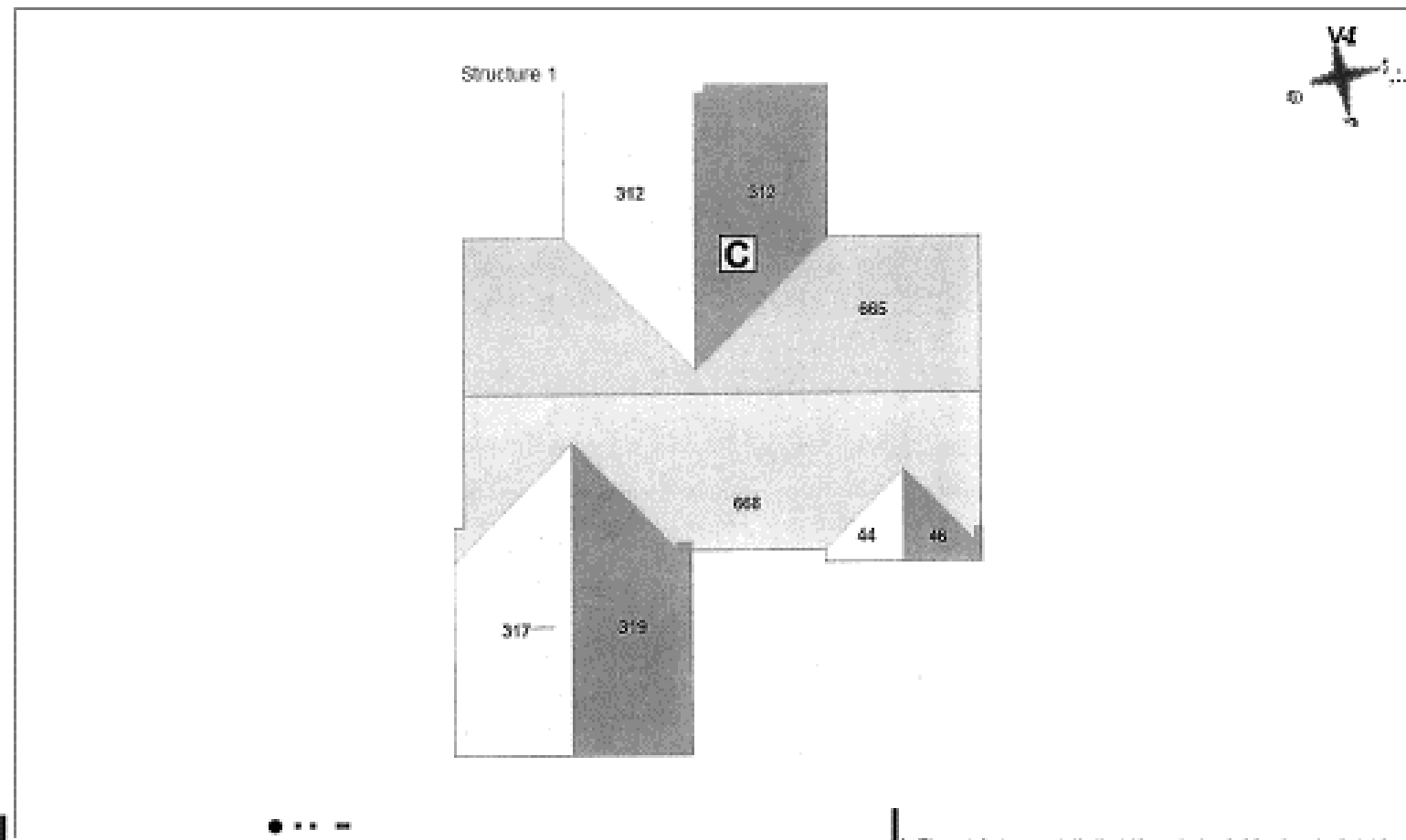


665 Circle Dr. Project Site - Existing Roof

- **Original Home Design**
- **Modest Home & Structure compatible with Neighborhood**
- **Colors consistent with earthen tones**



Area Measurements Diagram



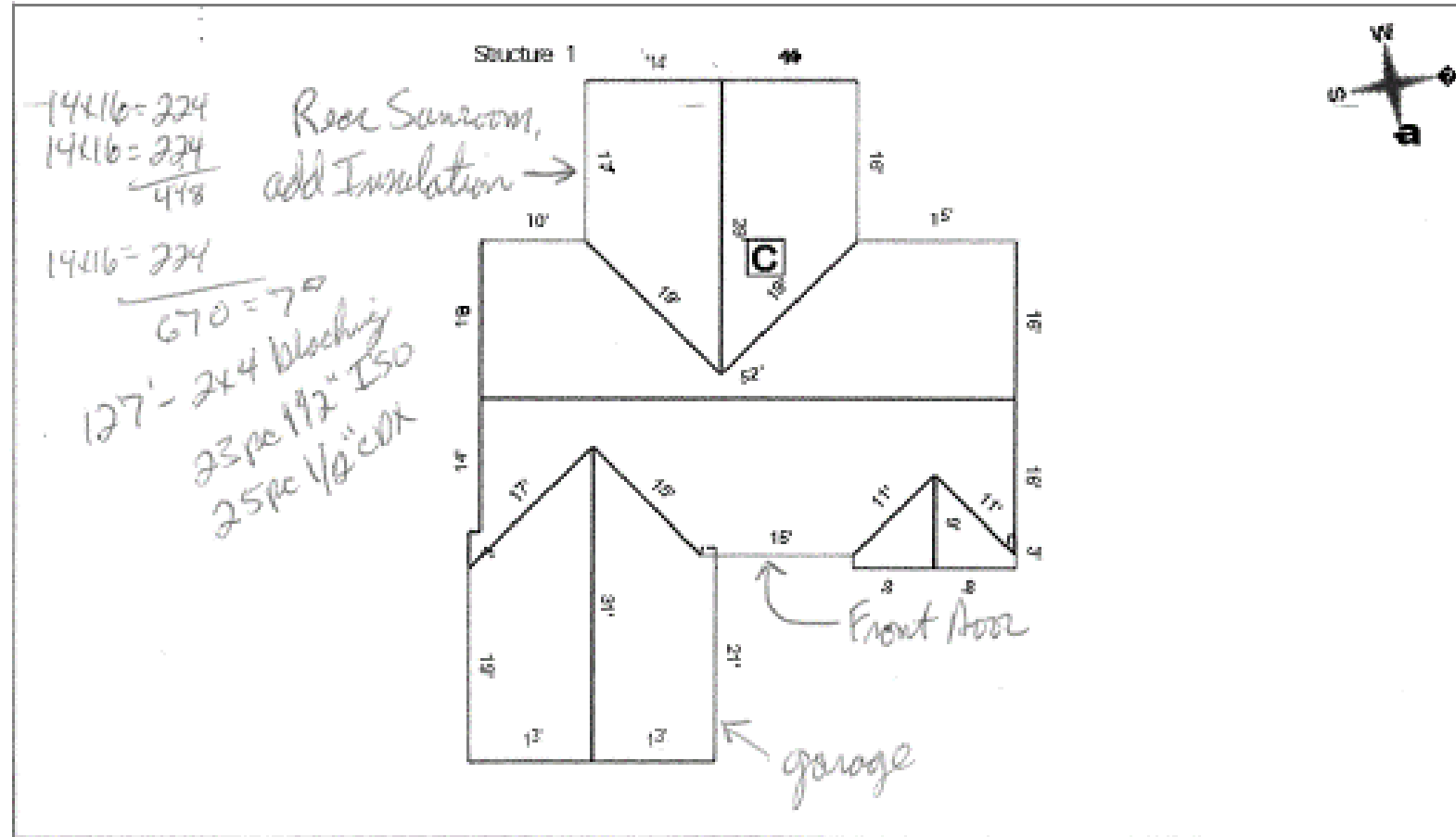
WASTE FACTOR TABLE (in squares)

Total Area	5%	10%	15%	17%	20%	22%	25%
26.82	28.16	29.50	30.84	31.38	32.18	32.72	33.53

The waste factors presented in the table are simple calculations based on the total area of the roof. They do not take into account the complexity of the roof or the amount of waste that is generated during the construction process. The waste factor that works best for the particular roof.

Length Measurements Diagram

Measurements rounded to the nearest foot



LINE ITEM SUMMARY (in ft)

Ridges	Valleys	Rakes	Eaves	Rakes + Eaves	Apron Flashing	Step Flashing
122	0	137	117	254	2	3

- Proposed Roofing Consistent with Neighborhood context.
- Existing metal rooves next to shingles
- Character of Slope & Landscape diminishes view of roof tops.



Metal Rooves 694 & 688 Circle Drive





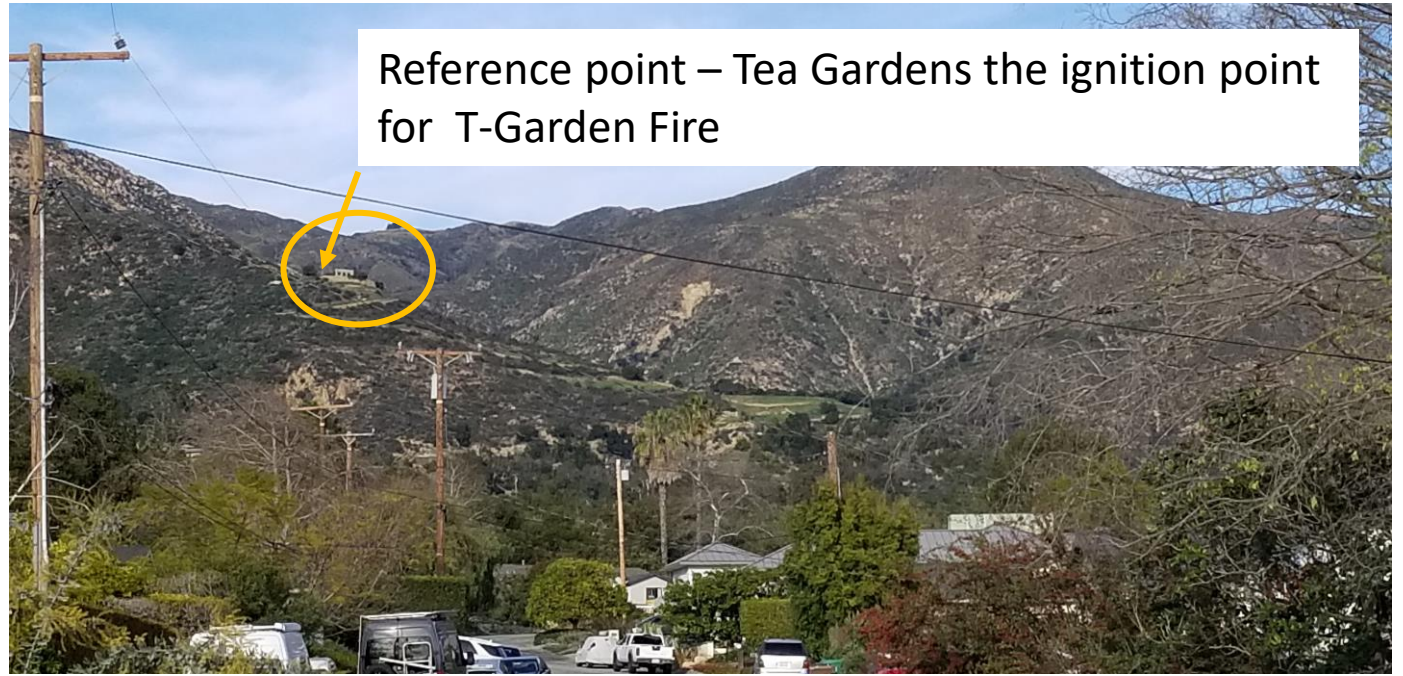
- Proposed roof fire resistant and improves safety of wildland interface neighborhood.
- Surrey Beige Roof color fitting with natural earthen tones.
- Slope & Landscape diminishes view of other roof tops

Standing seam metal roofs in immediate neighborhood – some after T-Garden Fire



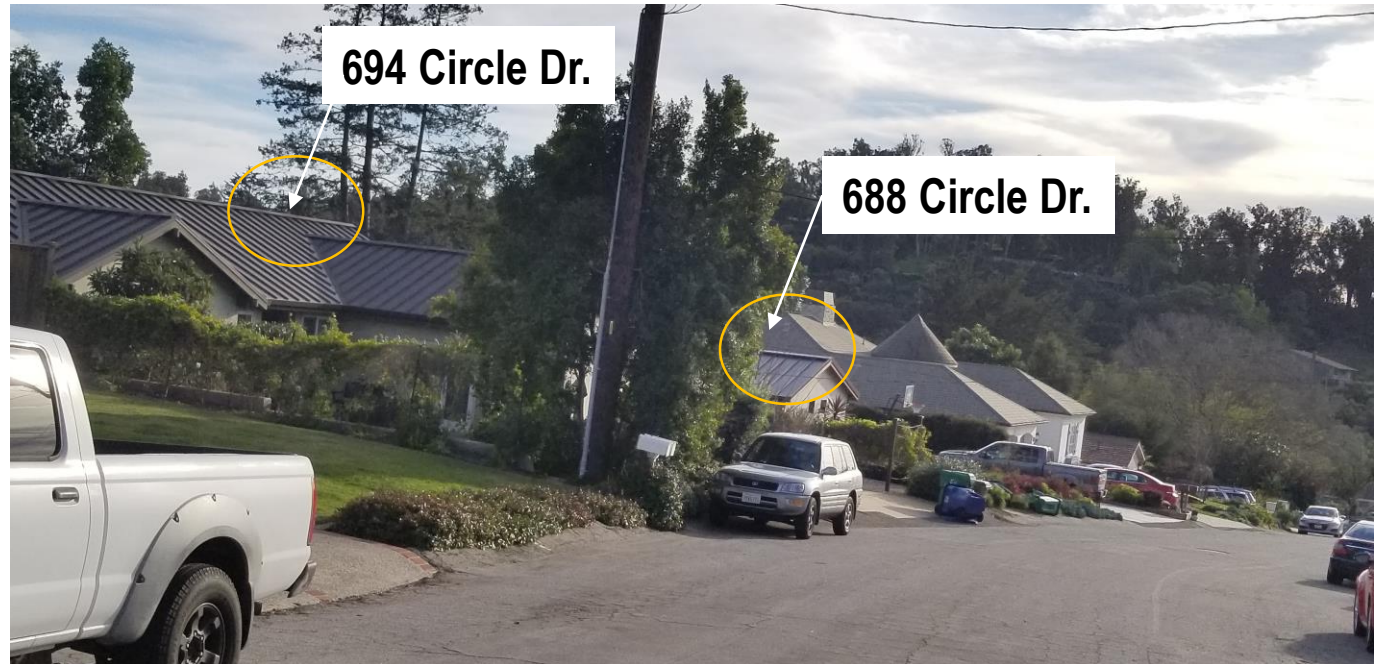
Circle Dr Neighborhood Context and metal roofing styles increasing resiliency.

Reference point – Tea Gardens the ignition point for T-Garden Fire



694 Circle Dr.

688 Circle Dr.



Standing Seam Metal roof adjacent to tile roof

688 Circle Drive - recently re roofed in standing seam metal – see next slide



• 694 Circle Dr.

688 Circle Dr shown in
previous slide as tile
shingles – recently re-
roofed in standing seam

Standing metal seam roof adjacent to shingle tiles



688 Circle Dr.



• **711 Circle Dr.**



762 Westmont Dr.



- 740 Westmont Dr.



675 Westmont Drive



Various Adjacent Roof Tops in Neighborhood Setting



Various Adjacent Roof Tops in Neighborhood Setting

ROOFING SUBMITTAL



WICKS ROOFING • LIC. 727469

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WWW.WICKSROOFING.COM



WICKS SOLAR • LIC. 1041299

MCELROY MEDALLION LOK 1 3/4" x 18" METAL ROOF SUBMITTAL

METAL ROOF: MCELROY MEDALLION-LOK 1 3/4" X 18" PANEL

PRODUCT CUTSHEETS/DATA

STRIATION RECOMMENDATIONS AND OIL CANNING INFO

MCELROY METALS: COLOR CHART

• SRV AND LRV CHARTS

MEDALLION-LOK INSTALLATION DATA (STANDARD DETAILS)

ASTM & UL TESTING DATA

WARRANTY INFORMATION - OPERATIONS & MAINTENANCE

WARRANTY INFORMATION - KYNAR FINISH

ROOF UNDERLAYMENT: FIRESTONE CLADGARD SA (CLASS A)

PRODUCT CUTSHEET/DATA

TECHNICAL INFORMATION

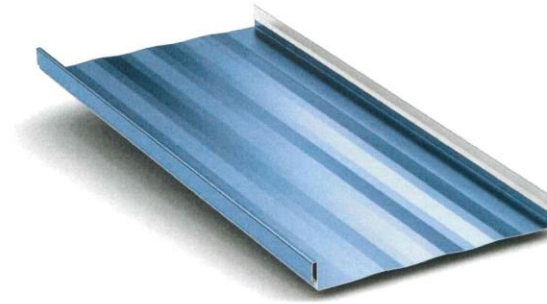
CLASS A METAL ROOF ASSEMBLY TESTING DATA

FOR ANY QUESTIONS REGARDING THIS SUBMITTAL, PLEASE CONTACT:

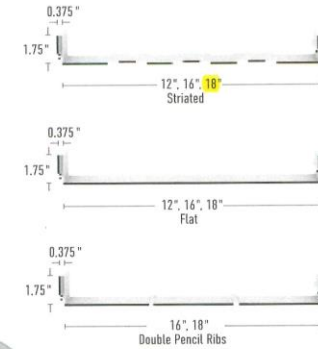
CORY MOSSMAN, project manager
CMOSSMAN@WICKSROOFING.COM

Medallion-Lok

Medallion-Lok is a snap-together architectural panel with structural capabilities that features a rigid 1.75" standing seam. Medallion-Lok is McElroy Metal's most popular snap-together panel and has been utilized to add beauty and function on projects all across the country.



Panel Options



Note: Striated panels are recommended as they reduce the appearance of oil canning

*Sorry
bergle*



Details

- Factory formed eave notch upon request in: Clinton, Peachtree City, and Sunnyvale
- Factory applied sealant
- Minimum slope: 3:12
- Can be installed over solid deck or open framing

Panel Options

- Panel width: 12", 16" & 18"
- Panel configurations: striated, ribbed or flat pan (striated recommended)
- Coating: Kynar 500® (PVDF)
- Substrate:
 - Standard 24 gauge Galvalume®
 - Optional 22 gauge Galvalume
 - .032 and .040 aluminum

Testing Data

- Fire Rating: Class A
- Uplift Test: UL580 Class 90, ASTM E1592
- Air Infiltration: ASTM E1680
- Water Infiltration: ASTM E1646
- Class 4 Impact Resistance: UL 2218
- Florida State Approval: 1747.5 and 1832.7
- Fire Resistance: UL 263
- Miami Dade Approval: NOA#13-0430.06
- ICC-ES Approval: ESI-1082
- For any available Test Data, Section Properties or Load Tables, please visit our download section at www.mcelroymetal.com

Oil canning (pan wave) is a natural occurrence in metal panels and is not a cause for panel rejection.





Architectural Colors

STANDARD COLORS

 REGAL WHITE	 BONE WHITE	 SURREY BEIGE
 SANDSTONE	 ALMOND	 BUCKSKIN
 ASH GRAY	 SLATE GRAY	 CHARCOAL
 MATTE BLACK	 MEDIUM BRONZE	 DARK BRONZE
 PATINA GREEN	 EVERGREEN	 MANSARD BROWN
 COLONIAL RED	 ROMAN BLUE	 PATRICIAN BRONZE
	 TERRA COTTA	

ALL COLORS ARE ENERGY STAR COMPLIANT



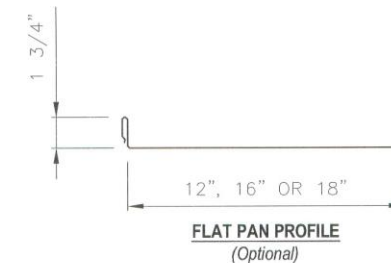
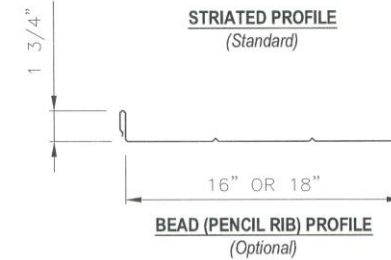
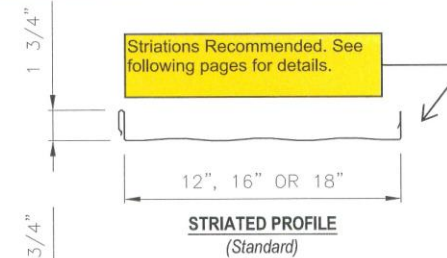
McELROY METAL, INC

www.mcelroymetal.com



Medallion-Lok Panel

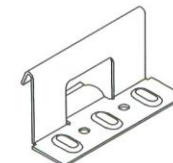
Product Data



STANDARD CLIP

16 GA. Galvanized G90 - ASTM A653 (50 ksi)

REVISION DATE: 7/25/18



UL-90 CLIP

16 GA. Galvanized G90 - ASTM A653 (50 ksi)

Applications
Snap Seamed roof panel used on slopes down to 3:12. Continuous length up to 75'. Please Inquire for longer lengths.

Substrates
Plywood, Metal Deck, Rigid Insulation/Metal Deck or Open Framing.

Material
Standard - 24 GA. ASTM A792 (50 ksi steel) AZ55 - Bare
AZ50 - Painted
Optional - 22 GA. ASTM A792 (50 ksi steel) AZ55 - Bare
AZ50 - Painted
and .032 & .040 Aluminum (Sunnyvale Plant Only)

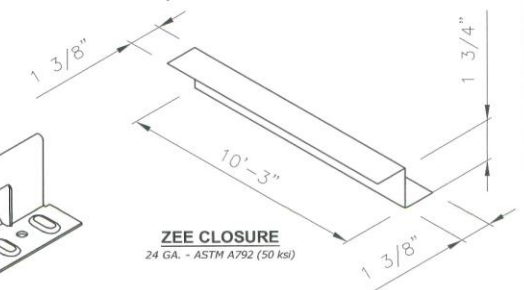
Manufacturing
Roll formed in factory.

Finishes
Acrylic Coated Galvalume®
Fluoropolymer (Kynar 500® PVDF resin-based)

Pan Conditions
Flat Pan, Pencil Ribbed or Striated
Oil canning is inherent in all metal panels and is not cause for panel rejection. A signed oil canning acknowledgement will be required for all orders prior to production.

Testing *
Uplift: UL 580 Class 90, ASTM E1592
Air & Water Infiltration: ASTM E1680, and ASTM E1646.
Fire Resistance: UL 263 & UL 790 Class A
Impact Testing: UL 2218 Class 4
Miami Dade Approval: NOA# 13-0430.06
Florida Product Approval: FL 1747.5 & FL 1832.7
*Testing and Approvals are product specific. Please inquire for details. *

NOTE:
All data represented on this sheet may not be applicable to all widths and gauges. Please contact McElroy Metal for more information.



ZEE CLOSURE
24 GA. - ASTM A792 (50 ksi)



Architectural Colors

Paint Specifications

COLOR	REFLECTANCE	EMISSION	SRI
ALMOND	0.60	0.84	70
ASH GRAY	0.39	0.84	41
BONE WHITE	0.71	0.85	86
BRANDYWINE	0.26	0.85	24
BRITE RED	0.42	0.84	45
BUCKSKIN	0.38	0.86	41
CHAMPAGNE METALLIC	0.38	0.80	38
CHARCOAL	0.32	0.85	32
COLONIAL RED	0.33	0.85	34
COPPER PENNY	0.49	0.85	55
DARK BRONZE	0.26	0.84	24
EVERGREEN	0.26	0.84	24
*GALVALUME PLUS	0.69	0.19	62
HARTFORD GREEN	0.25	0.85	23
LEADCOAT	0.37	0.82	38
MANSARD BROWN	0.30	0.85	30
MATTE BLACK	0.27	0.86	26
MEDIUM BRONZE	0.30	0.87	31
PATINA GREEN	0.46	0.85	51
PATRICIAN BRONZE	0.27	0.86	26
PREWEATHERED GALVALUME	0.30	0.79	27
REGAL BLUE	0.26	0.85	24
REGAL WHITE	0.68	0.86	82
ROMAN BLUE	0.26	0.85	24
SANDSTONE	0.54	0.86	63
SILVER METALLIC	0.57	0.78	64
SLATE GRAY	0.43	0.85	47
SURREY BEIGE	0.40	0.86	43
TERRA COTTA	0.35	0.85	36
TEXAS SILVER METALLIC	0.58	0.78	66

*Bare Acrylic Coated Galvalume

Notes:

- Solar Reflectance is a measure of the amount of solar energy that is immediately reflected from the surface.
- Solar Emissivity is the ability of a material to emit the residual heat back into the surrounding atmosphere.
- The Solar Reflectance Index (SRI) is a measure of the roof's ability to reject solar heat, considering reflectance, emissivity and convection across the surface.

General Notes:

- Inventory and color offering can change without notice. Please contact your McElroy representative to confirm availability.
- Other widths and gauges are available on some items.
- Galvalume® is McElroy's standard substrate. G90 is available upon request.
- McElroy Metal features Fluoropolymer® PVDF coatings on all products.
- Fluoropolymer is manufactured by Sherwin-Williams Corporation.



CORPORATE OFFICE

1500 HAMILTON RD. • BOSSIER CITY, LA 71111

Website: www.mcelroymetal.com
E-mail: info@mcelroymetal.com

MM220

5-18



Coated Steel Light Reflectance Values (LRV)

Kynar® PVDF	LRV*
Almond	61.96
Ash Gray	39.21
Autumn Red	10
Bone White	78.96
Brandywine	7.14
Brite Red	11.24
Buckskin	19.53
Charcoal	13.88
Clay	32.88
Colonial Red	9.32
Dark Bronze	7.44
Evergreen	9.56
Hartford Green	7.23
Ivory	66
Light Stone	53.35
Mansard Brown	7.71
Matte Black	5.91
Medium Bronze	11.54
Patina Green	25
Patrician Bronze	7.69
Regal Blue	9.22
Regal White	74.56
Roman Blue	17.04
Sandstone	56.96
Slate Gray	21.39
Surrey Beige	38.57
Terratone	14.65
Tudor Brown	9.33

Kynar 500® Classic Metallic	LRV*
Champagne Metallic	
Copper Penny Metallic	25.48
Leadcoat	
Silver Metallic	
Texas Silver Metallic	

Silicone Modified Polyester	LRV*
Antique Brown	10.11
Ash Gray	40.45
Autumn Red	10.81
Brite White	76.34
Charcoal	14.93
Evergreen	10.66
Ivory	67.28
Light Stone	52.71
Medium Clay	33.63
Patrician Bronze	8.3
Pewter Gray	28.32
Rawhide	38.47
Roman Blue	17.77
Surrey Beige	39.4
Tudor Brown	10.37

*LRV = Light Reflectance Value = Glare

*LRV, or Light Reflectance Value, measures the amount of visible or usable light that reflects from a surface. LRV is expressed as a percentage from 0 to 100; the higher the number the more visible light that is reflected. Typically, lighter colors will have a higher value than dark colors, but texture can impact LRV as well. Rough textures tend to reflect less visible light. Gloss and sheen are two other terms used to describe visible reflection of a surface. Gloss is the measurement of visible light at a 60° angle from the surface, while sheen is measured at 85°. High gloss/sheen results in high glare or shine from a surface, while low gloss/sheen surfaces have a flat or matte appearance. Glare, often a concern with pre-painted roofs, is controlled by lowering the sheen value. LRV is independent from SRI & SRV.

Kynar® and Kynar 500® are registered trademarks of Arkema, Inc.

Steelscape

Kalama

222 West Kalama River Road

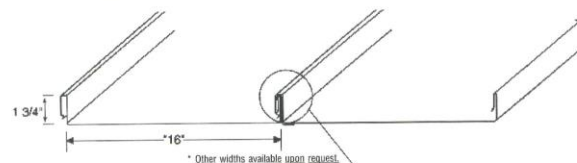
Kalama, WA 98625-9420 USA

Phone 360-673-8200

Fax 360-673-8250

MEDALLION-LOK

Medallion-Lok is a concealed fastener architectural standing seam roof panel. The Medallion-Lok panels are easily installed over decking, utilizing metal clips. Medallion-Lok panels are ideally suited for decorative mansard, fascia and roofs.



SUBSTRATE:

24 Gauge Galvalume - Standard Surface. Other gauges and aluminium available upon request.

PANEL CONFIGURATIONS:

Striated, Ribbed or Flat Pan

PANEL WIDTH:

16", 18", (and 12" Available Upon Request)

PANEL LENGTH:

50' Standard Maximum Length. Longer lengths available upon request.
3' 9" Minimum

PANEL HEIGHT:

1 3/4"

MINIMUM SLOPE:

3:12

CLIP SPACING:

See U.L. 90 Classifications - Roof Deck Construction for maximum clip spacing.

U.L. 90 Classifications - Roof Deck Construction:

U.L. Class 90 - 24 Ga. minimum panel on 4' - 0" maximum purlin spacing, per U.L. construction #255

U.L. Class 60 - 24 Ga. minimum panel on 5' - 0" maximum purlin spacing, per U.L. construction #255

U.L. Class 90 - 24 Ga. minimum panel with clips spaced 36" on center over plywood decking, per U.L. construction #343

U.L. Class 90 - 24 Ga. minimum panel with clips spaced 48" on center over rigid insulation on metal deck, per U.L. construction #468

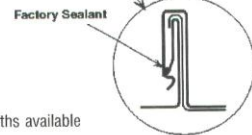
IMPACT RESISTANCE:

UL 2218 - IMPACT: CLASS 4 EXTERNAL FIRE: CLASS A

AIR AND WATER INFILTRATION:

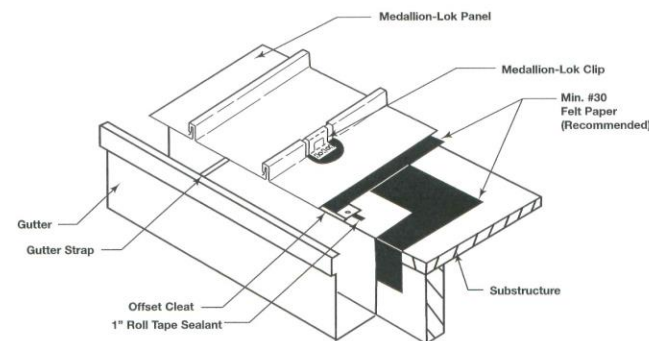
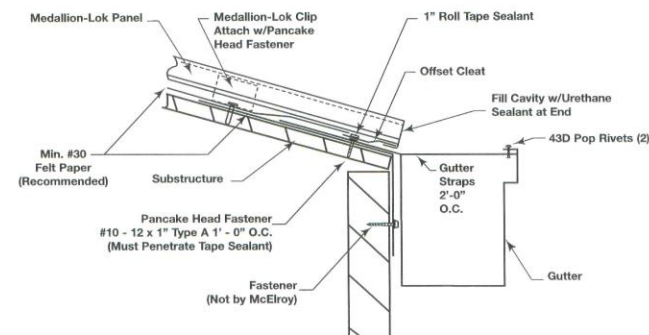
Medallion-Lok systems have been tested in accordance with ASTM E1680 and ASTM E1646 procedures.

Oil canning (pan wave) of metal panels is inherent in the product and is not cause for panel rejection.



. MEDALLION-LOK

EAVE WITH STANDARD GUTTER



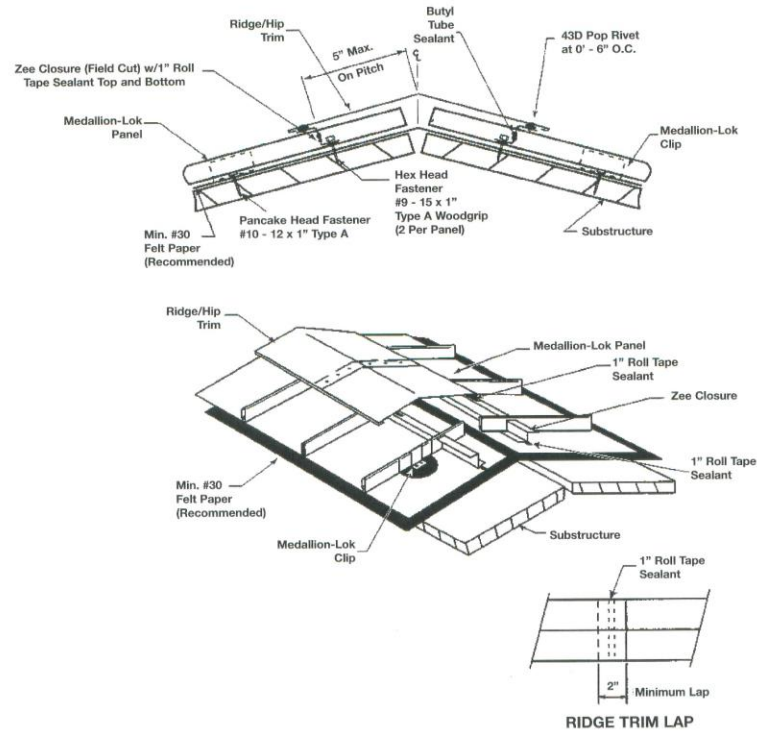
SUGGESTED FOR HIGH SNOW AREAS
SNOW GUARDS REQUIRED TO PREVENT
DAMAGE CAUSED BY SLIDING SNOW.

NOTES:

1. Locate gutter and place a continuous run of 1" roll tape sealant in gutter leg.
2. Locate a gutter strap at 2'-0" on center. Place tape sealant on strap.
3. Locate offset cleat and fasten through cleat, strap, sealant, gutter and into the substructure.
4. Install panel. Allow clearance. Field cut 1 1/2" off leg of panel and hem panel.
5. Field bend gutter strap and attach to gutter with two (2) 43D pop rivets.

• • • • MEDALLION-LOK • • • •

RIDGE / HIP



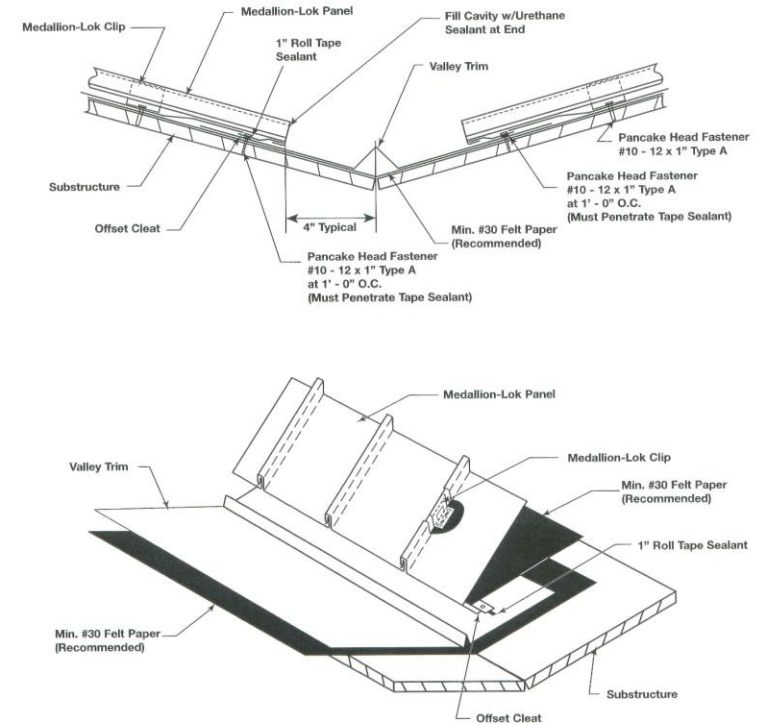
NOTES:

1. Install panels with a clip approximately 1'-0" downhill on each side of the ridge or hip.
2. Apply a continuous run of 1" roll tape sealant between the panel legs about 5" maximum down from centerline of ridge.
3. Field cut and attach zee closure with two (2) #9 - 15 x 1" fasteners through closure, sealant, panel and into substructure. See detail for location dimension.
4. Apply tube sealant to zee closure and panel ribs.
5. Apply a continuous run of 1" roll tape sealant to top of "Z" closure.
6. Attach ridge/hip trim to zee closure with a 43D pop rivet on 6" centers.
7. Lap ridge/hip trim with 1" roll tape sealant and pop rivets as shown. Lap away from the prevailing wind direction. Attach with 43D pop rivets 4" on center maximum.



• • • • MEDALLION-LOK • • • •

VALLEY



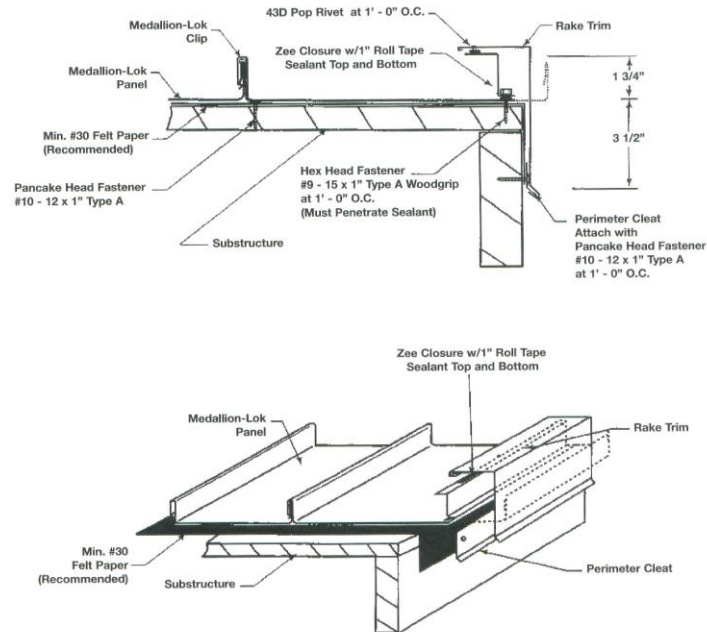
NOTES:

1. Locate valley trim over substructure.
2. Apply a continuous run of 1" roll tape sealant over valley trim and under offset cleat.
3. Locate offset cleat approximately 4" from center of valley trim and fasten through cleat, sealant, valley trim and into substructure.
4. Locate a clip 6" from end of panel.
5. Field cut 1 1/2" off leg of panel and hem panel. Allow clearance for thermal movement.



♦ ♦ ♦ ♦ MEDALLION-LOK ♦ ♦ ♦ ♦

RAKE - TERMINATING OFF MODULE W/O WALL PANELS

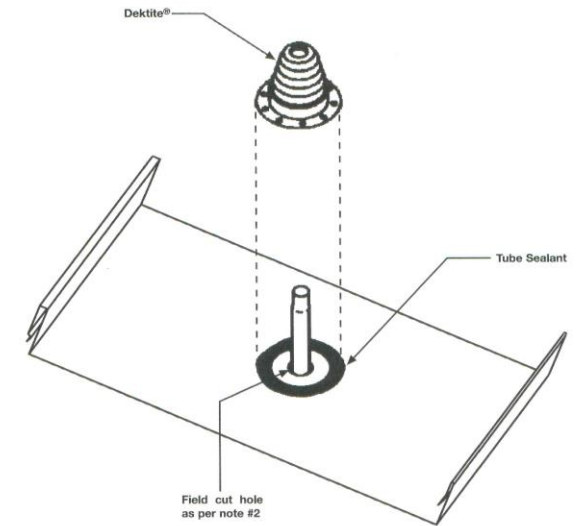


NOTES:

1. Field cut Medallion-Lok panel as required.
2. Apply a continuous run of 1" roll tape sealant under zee closure before fastening.
3. Attach zee closure with #9 - 15 x 1" fasteners on 1'-0" centers.
4. Apply a continuous run of 1" roll tape sealant over zee closure before fastening rake trim.
5. Fasten perimeter cleat as shown. Follow roof slope, and then attach rake trim.

♦ ♦ ♦ ♦ MEDALLION-LOK ♦ ♦ ♦ ♦

ROOF JACK INSTALLATION



NOTES:

1. Before cutting hole in sheet, consider the best position to suit size of Dekitite® selected.
2. Cut a neat hole with minimum clearance for pipe and install pipe.
3. Rubber sleeve should be a watertight fit on pipe. If rubber has to be cut, a neat hole 1/2" dia. less than outside pipe diameter should be cut in Dekitite®. Use a sharp pair of scissors and avoid nicks.
4. Apply tube sealant to underside of base and, using water as lubricant, slide flashing along until it meets sheet.
5. Hand press Dekitite® base on to sheet, pressing base firmly to sheet to avoid gaps, progressively drill and fasten to sheet. Fasten to panel with 1/4 - 14 x 7/8" LAPTEK ZAC Fasteners.



TECHNICAL BULLETIN

Issue Date: July 18, 2008 Revised: January 2, 2014 No. 05-308-08

ASTM E1592 Wind Uplift Test

Medallion Lok 18" 24 Ga.

McElroy Metal had its Medallion Lok roof panel tested per ASTM E1592 between the dates of December 2, 2010 and April 23, 2012.



TEST RESULTS

Panel	Gauge	Span	Ultimate Load (psf)	Design Load (psf) Factor of Safety = 1.67 (AISI)
Medallion Lok 18"	24	1'-0"	107.5	64.4
Medallion Lok 18"	24	2'-0"	78.0	46.7
Medallion Lok 18"	24	5'-0"	45.1	27.0

Test Report: 10-004

Date: July 12, 2013

CORPORATE OFFICE
SHREVEPORT, LOUISIANA

BOSSIER CITY, LA PEACHTREE CITY, GA WINCHESTER, VA LEWISPORT, KY ASHBURN, GA SUNNYVALE, TX
CLINTON, IL MARSHALL, MI ADELANTO, CA MAUSTON, WI MERKEL, TX HOUSTON, TX



TECHNICAL BULLETIN

Issue Date : June 1, 2006 Revised: December 13, 2013 No. 04-270-06

Tests for Fire Resistance Ratings of Roof Covering Materials

UL 263 (ASTM E119 and NFPA 251)

The following products:

Mechanically attached metal roof panels "Multi-Rib", "Master-Lok 90", "R ", "Medallion-Lok ", "Medallion", "Medallion I Batten", "Medallion II Batten", "SV-Crimp", "Mega-Rib", "Max-Rib", "Maxima 212", "Maxima 216", "Maxima 218", "Maxima 318", "Maxima 324", "Metalogic-2000", "Mirage ", "U", "Maxima 1.5", "Mirage II", "Maxima ADV" and "Met-Tile", secured by steel anchor clips. Anchor clips are attached to a hat shaped member+ (minimum depth 1 in.) or a bearing plate ++.

Mechanically attached metal roof panels, identified as "ABC Permaseam Panel", "ABC SL Low Panel", "ABC JSM 200", "ABC Instaloc", "ABC SERIES 300" and "ABC 238T Roof Panel", secured by steel anchor clips. Anchor clips are attached to a hat shaped member+ (minimum depth 1 in.) or a bearing plate +++.

Have been approved for use in the following Underwriters Laboratories design numbers:

P225, P227, P230, P237, P250, P259, P265, P266, P268, P508, P510, P512, P514, P516, P518, P701, P711, P712, P713, P717, P719, P720, P722, P723, P726, P731, P732, P734, P739, P740, P801, P815, P819, P824, P825, and P828.

+Hat-shaped member to be a minimum of 16 gauge. The member will be fastened through the roof insulation to the steel roof deck with No. 14 self-drilling and/or self-tapping fasteners. Spacing to be determined by the structural loading requirements. In addition any compressible UL Classified glass fiber blanket insulation with or without a vapor-retarder facing may be used between the specified roof insulation and the metal roof panels.

++Bearing plate to be a minimum of 16 gauge. Member will be fastened through the roof insulation to the steel deck with No. 14 self-drilling and/or self-tapping fasteners.

+++Bearing plate to be a minimum of 24 gage . Member will be fastened through the roof insulation to the steel deck with No. 14 self-drilling and/or self-tapping fasteners.

CORPORATE OFFICE
SHREVEPORT, LOUISIANA

BOSSIER CITY, LA PEACHTREE CITY, GA WINCHESTER, VA LEWISPORT, KY ASHBURN, GA SUNNYVALE, TX
CLINTON, IL MARSHALL, MI ADELANTO, CA MAUSTON, WI MERKEL, TX HOUSTON, TX

sheathing

Underlayment: — One layer "VersaShield Underlayment", mechanically fastened, or "CLAD-GARD SA-FR" self-adhered underlayment.
Ply Sheet (Optional): — Any UL Classified Type G1, G2 or G3 base/ply sheet, Type 15 or 30 felt or UL Classified prepared roofing accessory.
Panel: — "EASY LOCK", "MS 200", "Versa Span", "MS200-90C", "Premier-Lock 100", "Premier-Lock 150", steel roofing panels and "MS100" steel or copper roofing panels, mechanically fastened.

McElroy's 1¼"x18" Panel is identical to the "Versa Span" panel that was used for the Testing Application. It absorbs the same rating as stated here.

8. Deck: C-15/32 or spaced sheathing
Incline: Unlimited
Impact: 4
Underlayment: — One layer "VersaShield Underlayment", mechanically fastened, or "CLAD-GARD SA-FR" self-adhered underlayment.
Panel: — "EASY LOCK", "MS 200", "Versa Span", "MS200-90C", "T-Panel Narrow Panel", "MS150-S", "MS200-S" and "MS150", steel roofing panels, mechanically fastened.

9. Deck: NC
Incline: Unlimited
Insulation (Optional): — Any UL Classified (except EPS), any thickness.
Surfacing: — "Clip-Lock 100", "Clip-Lock 150", "Premier-Lock 100", "Premier-Lock 150", steel roofing panels and "MS100" steel or copper roofing panels, mechanically fastened.

10. Deck: NC
Incline: Unlimited
Barrier Board: — 5/8 in. min plywood.
Ply Sheet (Optional): — Any UL Classified Type G1, G2 or G3 base/ply sheet, Type 15 or 30 felt or UL Classified prepared roofing accessory.
Panel: — "Clip-Lock 100", "Clip-Lock 150", "Premier-Lock 100", "Premier-Lock 150", steel roofing panels and "MS100" steel or copper roofing panels, mechanically fastened.

11. Deck: NC
Incline: Unlimited
Barrier Board: — 7/16 OBS or 5/8 in. plywood over polyisocyanurate insulation board or polyisocyanurate composite board, any thickness.
Ply Sheet (Optional): — Any UL Classified Type G1, G2 or G3 base/ply sheet, Type 15 or 30 felt or UL Classified prepared roofing accessory.
Panel: — "Clip-Lock 100", "Clip-Lock 150", "Premier-Lock 100", "Premier-Lock 150", steel roofing panels and "MS100" steel or copper roofing panels, mechanically fastened.

12. Deck: C-15/32 or spaced sheathing
Incline: Unlimited
Barrier Board: — Georgia Pacific 1/4 in. min "DensDeck" board or 1/4 in. min United States Gypsum Co SECURock® Glass-Mat Roof Board (Type SGMRX), National Gypsum "DEXcell Glass Mat Roof Board" or "DEXcell FV Glass Mat Roof Board", CertainTeed Gypsum "GlasRoc" or 1/2 in. min UL classified gypsum board with all joints staggered a min of 6 in. from the plywood joints.
Ply Sheet (Optional): — Any UL Classified Type G1, G2 or G3 base/ply sheet, Type 15 or 30 felt or UL Classified prepared roofing accessory.
Panel: — "Clip-Lock 100", "Clip-Lock 150", "Premier-Lock 100", "Premier-Lock 150", steel roofing panels and "MS100" steel or copper roofing panels, mechanically fastened.

13. Deck: NC
Incline: Unlimited
Insulation: — Polyisocyanurate, glass fiber, perlite or wood fiber, any thickness.
Ply Sheet (Optional): — Any UL Classified Type G1, G2 or G3 base/ply sheet, Type 15 or 30 felt or UL Classified prepared roofing accessory.
Panel: — "Clip-Lock 100", "Clip-Lock 150", "Premier-Lock 100", "Premier-Lock 150", steel roofing panels and "MS100" steel or copper roofing panels, mechanically fastened.

14. Deck: NC
Incline: Unlimited
Barrier Board: — Georgia Pacific 1/4 in. min "DensDeck" board or 1/4 in. min United States Gypsum Co SECURock® Glass-Mat Roof Board (Type SGMRX), National Gypsum "DEXcell Glass Mat Roof Board" or "DEXcell FV Glass Mat Roof Board", CertainTeed Gypsum "GlasRoc" or 1/2 in. min UL Classified gypsum board.
Ply Sheet (Optional): — Any UL Classified Type G1, G2 or G3 base/ply sheet, Type 15 or 30 felt or UL Classified prepared roofing accessory.
Panel: — "Clip-Lock 100", "Clip-Lock 150", "Premier-Lock 100", "Premier-Lock 150", steel roofing panels and "MS100" steel or copper roofing panels, mechanically fastened.

15. Deck: C-15/32 or spaced sheathing
Incline: Unlimited
Underlayment: — One layer "VersaShield Underlayment", mechanically fastened, or "CLAD-GARD SA-FR" self-adhered underlayment.
Ply Sheet (Optional): — Any UL Classified Type G1, G2 or G3 base/ply sheet, Type 15 or 30 felt or UL Classified prepared roofing accessory.
Panel: — "Clip-Lock 100", "Clip-Lock 150", "Premier-Lock 100", "Premier-Lock 150", steel roofing panels and "MS100" steel or copper roofing panels, mechanically fastened.

16. Deck: C-15/32 or spaced sheathing
Incline: Unlimited
Underlayment: — One layer "VersaShield Underlayment", mechanically fastened, or "CLAD-GARD SA-FR" self-adhered underlayment.
Panel: — "Clip-Lock 100", "Clip-Lock 150", "Premier-Lock 100", "Premier-Lock 150", steel roofing panels and "MS100" steel or copper roofing panels, mechanically fastened.



CLAD-GARD™ SA-FR UNDERLAYMENT WITH NEW COREGARD™ TECHNOLOGY

UNMATCHED PROTECTION FOR YOUR BUILDING

Firestone Building Products is pleased to introduce the first of many products using our patented **CoreGard Technology**: CLAD-GARD™ SA-FR Underlayment with CoreGard™ Technology. This is the **only UL Class A underlayment on the market** today that brings water and fire protection to a whole new level. This one layer of underlayment out-performs the competition when it comes to keeping your building, and the occupants inside, safe.

Currently, you need additional material and labor to qualify for a UL Class A metal roof. With this product, you will **eliminate that additional cost** and still get the same, or better, quality waterproofing underlayment as the current Firestone CLAD-GARD underlayment products.

UL CLASS A FIRE PROTECTION

Installing a metal roof on your building does not give you a UL Class A roof. You must have a UL Class A system in order to have this rating. Many commercial buildings require UL Class A, especially in Educational, Medical, and Government facilities.



FEATURES AND BENEFITS

- Provides a UL Class A rated metal roofing system with one layer as opposed to multiple layers of competitive products
- A self-adhering, lightweight membrane that gives waterproofing protection keeping the contents of your building dry
- >120 day exposure allows this product to be installed even when the metal roofing products are not on-site
- Skid-resistant surface makes this product safe for installers when working on a sloped roof
- Significant cost savings on materials and labor due to a one-layer application as opposed to multiple layers to achieve UL Class A and waterproofing protection
- There is **no primer required** to install this product above 40 °F making it a quick and easy install
- Cost? Even if a UL Class A roof is not specified, you can provide the same UL Class A protection for the cost of a premium underlayment for roughly the same cost, which would be needed regardless

COREGARD™